BRUHAT BANGALORE MAHANAGARA PALIKE
YALAHANKA ZONE, PROJECT DIVISION
BYTARAYANPURA

Name of Work: Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6

1st & PART BILL

TEST REPORTS

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

TEJUS CONSULTANTS

TEST REPORT	
Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)	Proposed Use	PCC
Location/Source	2nd cross,Hegdenagar 3rd main	Date of Sampling	13-07-2020
Period of Soaking	24 hours	Date of Testing	14-07-2020

Sl. No.	Test Property		TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.		650	635	671	
B	Weight of oven - dry sample gm.		650	628	666	
C	Weight of Pycnometer Filled with water gm		1275	1275	1275	
D	Weight of Pycnometer + sample + water gm		1690	1676	1698	
E	Bulk specific gravity	B / (C + A - D)	2.766	2.684	2.685	2.712
G	Absorption (%)	(A - B) *100 / B	0.000	1.115	0.751	0.622

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

Test Report on Compressive strength of Solid Block

Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Cross sectional area	80000mm2
Size of cube	400mm x 150mm x 200mm
No. of Block Tested	1
Reference IS code:	IS:2185 (Part 1)- 2005

SLNo.	Date of Sampling	Date of testing	Area of Cube	Failure load	Compressive strength	Obtained Average compressive strength	Minimum Required compressive strength of individual units
			mm^2	KN	N/mm^2	N/mm^2	N/mm^2
1	14-07-2020	15-07-2020	80000	406.00	5.08	5.05	5.00
2	14-07-2020	15-07-2020	80000	402.00	5.03		
3	14-07-2020	15-07-2020	80000	404.00	5.05		

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

Test Report on Cement

Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	14.07.2020
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	105 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	542 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	8 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	26.00%	25 % to 35

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

TEJUS CONSULTANTS

Authorised Signatory

A.E.E. (Project)

TEJUS CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6.
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms			
Type of Material	Fine aggregate (M sand)	Proposed Use	PCC	
Sample Location	2nd cross,Hegdenagar 3rd main	Date of Sampling	14-07-2020	
		Date of Testing	15-07-2020	

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	219	219	7.30	92.70	90 - 100
2.36 mm	325	544	18.13	81.87	75 - 100
1.18 mm	432	976	32.53	67.47	55 - 90
0.600 mm	483	1459	48.63	51.37	35 -59
0.300 mm	748	2207	73.57	26.43	8-30
0.150 mm	621	2828	94.27	5.73	0 - 10
Pan	172	3000			-

Remarks : ✓ Satisfactory / Not Satisfactory

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhath Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Total Weight in gm:	3000

SIEVE ANALYSIS

Type of Material	40 mm down size	Proposed Use	PCC
Sample Location	2nd cross,Hegdenagar 3rd main	Date of Sampling	14-07-2020
		Date of Testing	15-07-2020

IS Sieve Size	Weight Retained in gm	Cum. Weight Retained in gm	Cumulative Weight Retained in %	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA-2007) % of Passing For Graded Aggregate of Nominal Size
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	85	85	2.83	97.17	95-100
20.00mm	1415	1500	50.00	50.00	30-70
10.00mm	992	2492	83.07	16.93	10-35
4.75mm	465	2957	98.57	1.43	0-5
Pan	43	3000	100.00	0.00	

Remarks : Satisfactory / Not Satisfactory

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

CIVIL EXPERTS
ISO 9001:2015
CONSULTANTS & TESTING CENTER

Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

NABL ACCREDITED AS PER ISO/IEC 17025:2017

Job No.:CECTC-MT-IWD-072-2020-21

Date: 15.07.2020

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : Bruhat Bangalore Mahanagara Palike.
Contractor : Sri.P Hemanth (SOORYA CREATERS), Bangalore.
Name of Consultant : Tejus Consultants
Name of Work : Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No - 6.
Sample Identification : 8mm, 10mm. TMT Fe 500 Bars
Technical Reference : IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test: : 15.07.2020

Sl.No	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
			0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	Elongation, percent on gauge length
1	8	0.398	516	555	16
2	10	0.618	530	567	17

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

A.E.E.(Project)

For Civil Experts
Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexpertsltd@gmail.com | URL : www.civilexperts.co.in

TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri. P Hemanth (SOORYA CREATERS)				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	20 mm down size	**Proposed Use**	Concrete	
Sample Location	Centre road,Hegdenagar 3rd main	**Date of Sampling**	16-07-2020	
		Date of Testing	17-07-2020	

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	282	282	2.82	97.18	95 - 100
10.00 mm	4844	5126	51.26	48.74	25 - 55
4.75 mm	4226	9352	93.52	6.48	0 - 10
Pan	648	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

Test Report on Compressive strength of Solid Block

Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Cross sectional area	80000mm2
Size of cube	400mm x 150mm x 200mm
No. of Block Tested	1
Reference IS code:	IS:2185 (Part 1)- 2005

Sl.No.	Date of Sampling	Date of testing	Area of Cube	Failure load	Compressive strength	Obtained Average compressive strength	Minimum Required compressive strength of individual units
			mm^2	KN	N/mm^2	N/mm^2	N/mm^2
1	16-07-2020	17-07-2020	80000	408.00	5.10	5.08	5.00
2	16-07-2020	17-07-2020	80000	405.00	5.06		
3	16-07-2020	17-07-2020	80000	406.00	5.08		

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

Authorised Signatory

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.
Consultants	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size	Proposed Use	CONCRETE
Sample Location	Centre road,Hegdenagar 3rd main	Date of Sampling	16-07-2020
		Date of Testing	17-07-2020

IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	548	548	5.48	94.52	90-100
10.0	4632	5180	51.80	48.20	40-85
4.75	4452	9632	96.32	3.68	0-10
Pan	368	10000			

Remarks : Satisfactory / Not Satisfactory

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4.The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

CIVIL EXPERTS
ISO 9001:2015
CONSULTANTS & TESTING CENTER

Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

NABL ACCREDITED AS PER ISO/IEC 17025:2017

Job No.:CECTC-MT-JWD-072-2020-21

Date: 06.07.2020

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : Bruhat Bangalore Mahanagara Palike.
Contractor : Sri.P Hemanth (SOORYA CREATERS), Bangalore.
Name of Consultant : Tejus Consultants
Name of Work : Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No - 6.

Sample Identification : 8mm, 10mm. TMT Fe 500 Bars
Technical Reference : IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test: : 06.07.2020

Sl.No	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
			0.20 % proof stress/ yield stress ($N/mm^{2)}$	Tensile strength ($N/mm^{2)}$	Elongation, percent on gauge length
1	8	0.397	519	557	15
2	10	0.619	532	568	16

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

For Civil Experts
Authorised Signature

A.E.E. (Project)

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexpertsltd@gmail.com | URL : www.civilexperts.co.in

TEJUS CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms			
Type of Material	Fine aggregate M sand)	Proposed Use	concrete	
Sample Location	Centre road, Hegdenagar 3rd main	Date of Sampling	16-07-2020	
		Date of Testing	17-07-2020	

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	215	215	7.17	92.83	90 - 100
2.36 mm	316	531	17.70	82.30	75 - 100
1.18 mm	433	964	32.13	67.87	55 - 90
0.600 mm	458	1422	47.40	52.60	35 -59
0.300 mm	747	2169	72.30	27.70	8-30
0.150 mm	632	2801	93.37	6.63	0 - 10
Pan	199	3000			-

Remarks : ✓ Satisfactory / Not Satisfactory

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)	Proposed Use	concrete
Location/Source	Centre road, Hegdenagar 3rd main	Date of Sampling	16-07-2020
Period of Soaking	24 hours	Date of Testing	17-07-2020

Sl. No.	Test Property		TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.		651	675	663	
B	Weight of oven - dry sample gm.		641	670	648	
C	Weight of Pycnometer Filled with water gm		1275	1275	1275	
D	Weight of Pycnometer + sample + water gm		1682	1701	1690	
E	Bulk specific gravity	$\frac{B}{(C+A-D)}$	2.627	2.691	2.613	**2.644**
G	Absorption (%)	$\frac{(A-B)*100}{B}$	1.560	0.746	2.315	**1.540**

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

TEJUS CONSULTANTS

Authorised Signatory

A.E.E. (Project)

TEJUS
CONSULTANTS

Test Report on Cement

Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	17-07-2020
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	124 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	486 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	6 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	28.00%	25 % to 35

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

TEJUS CONSULTANTS

Authorised Signatory

A.E.E. (Project)

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

TEJUS
CONSULTANTS

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	Centre road, Hegdenagar 3rd main @ ch.73.00m LHS

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	17-07-2020	24-07-2020	7 days	8.120	22500	316	14.04	13.88
2	17-07-2020	24-07-2020	7 days	8.130	22500	309	13.73	
3	17-07-2020	24-07-2020	7 days	8.140	22500	312	13.87	

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	Centre road, Hegdenagar 3rd main @ ch.73.00m LHS

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	17-07-2020	13-08-2020	28 days	8.138	22500	496	22.04	22.13
2	17-07-2020	13-08-2020	28 days	8.134	22500	498	22.13	
3	17-07-2020	13-08-2020	28 days	8.146	22500	500	22.22	

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

TEJUS
CONSULTANTS

Test Report on Compressive strength of Solid Block

Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Cross sectional area	80000mm2
Size of cube	400mm x 150mm x 200mm
No. of Block Tested	1
Reference IS code:	IS:2185 (Part 1)- 2005

Sl.No.	Date of Sampling	Date of testing	Area of Cube	Failure load	Compressive strength	Obtained Average compressive strength	Minimum Required compressive strength of individual units
			mm^2	KN	N/mm^2	N/mm^2	N/mm^2
1	18-07-2020	19-07-2020	80000	409.00	5.11	5.06	5.00
2	18-07-2020	19-07-2020	80000	402.00	5.03		
3	18-07-2020	19-07-2020	80000	404.00	5.05		

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

Authorised Signatory

TEJUS
CONSULTANTS

Test Report on Compressive strength of Solid Block

Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Cross sectional area	80000mm2
Size of cube	400mm x 150mm x 200mm
No. of Block Tested	1
Reference IS code:	IS:2185 (Part 1)- 2005

Sl.No.	Date of Sampling	Date of testing	Area of Cube	Failure load	Compressive strength	Obtained Average compressive strength	Minimum Required compressive strength of individual units
			mm^2	KN	N/mm^2	N/mm^2	N/mm^2
1	20-07-2020	21-07-2020	80000	409.00	5.11	5.09	5.00
2	20-07-2020	21-07-2020	80000	405.00	5.06		
3	20-07-2020	21-07-2020	80000	408.00	5.10		

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)	Proposed Use	concrete
Location/Source	3rd cross,Hegdenagar 3rd Main	Date of Sampling	21-07-2020
Period of Soaking	24 hours	Date of Testing	22-07-2020

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	652	651	657	
B	Weight of oven - dry sample gm.	641	644	653	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1682	1683	1690	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.616	2.650	2.698	**2.655**
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.716	1.087	0.613	**1.139**

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

TEJUS CONSULTANTS

Authorised Signatory

A.E.E. (Project)

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6.				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri. P Hemanth (SOORYA CREATERS)				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	20 mm down size		Proposed Use	Concrete	
Sample Location	3rd cross,Hegdenagar 3rd Main		Date of Sampling	21-07-2020	
			Date of Testing	22-07-2020	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	272	272	2.72	97.28	95 - 100
10.00 mm	4858	5130	51.30	48.70	25 - 55
4.75 mm	4242	9372	93.72	6.28	0 - 10
Pan	628	10000			

Remarks : Satisfactory / Not Satisfactory

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

TEJUS CONSULTANTS

Authorised Signatory

A.E.E. (Project)

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No.6.				
Consultants	TEJUS CONSULTANTS				
Contractor	Sri. P Hemanth (SOORYA CREATERS)				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	12.5 mm down size		Proposed Use	CONCRETE	
Sample Location	3rd cross,Hegdenagar 3rd Main		Date of Sampling	21-07-2020	
			Date of Testing	22-07-2020	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	516	516	5.16	94.84	90-100
10.0	4586	5102	51.02	48.98	40-85
4.75	4532	9634	96.34	3.66	0-10
Pan	366	10000			

Remarks : Satisfactory / Not Satisfactory

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4.The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

TEJUS CONSULTANTS

Authorised Signatory

A.E.E. (Project)